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☐ 1: Gene 1993 Dec 8;134(2):295-8

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**A receptor induced by lymphocyte activation (ILA): a new member of the human nerve-growth-factor/tumor-necrosis-factor receptor family.**

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**Schwarz H, Tuckwell J, Lotz M.**

Sam and Rose Stein Institute for Research on Aging, University of California, San Diego, La Jolla 92093-0663.

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A 1.4-kb full-length cDNA was isolated from a library constructed from activated human T-cell leukemia virus type 1-transformed human T-lymphocytes. Sequence analysis identified this cDNA as a new member of the human nerve-growth-factor receptor/tumor-necrosis-factor receptor family and as the potential human homologue of the murine sequence, 4-1BB. The gene encodes three cysteine-rich motifs in the extracellular domain which are characteristic of this receptor family, a transmembrane region and a short N-terminal cytoplasmic portion which contains potential phosphorylation sites.

**MeSH Terms:**

- Amino Acid Sequence
- Animal
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- Mice
- Molecular Sequence Data
- Receptors, Cytokine/genetics\*
- Receptors, Cytokine/analysis
- Receptors, Nerve Growth Factor/genetics
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- Sequence Homology, Amino Acid
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- T-Lymphocytes/immunology\*
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**Substances:**

- DNA

- Receptors, Tumor Necrosis Factor
- Receptors, Nerve Growth Factor
- Receptors, Cytokine
- ILA receptor

## Secondary source id:

- GENBANK/Z15048
- GENBANK/Z15047
- GENBANK/X72989
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- GENBANK/X72987
- GENBANK/X72986
- GENBANK/X72985
- GENBANK/X72887
- GENBANK/L24529
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## Grant support:

- AR39799/AR/NIAMS
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PMID: 8262389 [PubMed - indexed for MEDLINE]

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- Membrane Glycoproteins/isolation & purification
- Membrane Glycoproteins/genetics
- Membrane Glycoproteins/chemistry\*
- Mice
- Molecular Sequence Data
- Molecular Weight
- Peptide Fragments/metabolism
- Peptide Fragments/genetics
- Polymerase Chain Reaction
- Protein Structure, Tertiary
- RNA, Messenger/analysis
- Receptors, Nerve Growth Factor/isolation & purification
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- Recombinant Fusion Proteins/metabolism
- Sequence Alignment
- Sequence Homology, Amino Acid
- Species Specificity
- Support, Non-U.S. Gov't
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- Tumor Cells, Cultured
- Tumor Necrosis Factor/chemistry\*

Substances:

- Tumor Necrosis Factor
- Recombinant Fusion Proteins
- Receptors, Tumor Necrosis Factor
- Receptors, Nerve Growth Factor
- RNA, Messenger
- Peptide Fragments
- Membrane Glycoproteins
- DNA, Complementary
- 4-1BB receptor
- 4-1BB ligand

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- AI 28175/AI/NIAID
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